LABDEX

80 L Table Top Sterilizer LX804NS

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Description

80 L Table Top Sterilizer LX804NS is a Class N pulsating vacuum autoclave with microprocessor control and touchscreen interface, offering fully automatic cycles for sterilization, drying, and exhaust. It features advanced safety systems including atmospheric pressure calibration, over-temperature protection, door interlocks, low water level cut-off, and pressure relief, with a high-efficiency steam generator and SUS304 stainless steel construction. It is widely used in healthcare, pharmaceuticals, bioengineering, and laboratories for sterilizing instruments, fabrics, utensils, culture media, rubber goods, and liquids.

Specifications

Chamber volume	80 L
Chamber size (Dia. x D)	Ø 386 x 717 mm
Control	Microcomputer
Display	Touch screen
Design pressure	0.3 Mpa
Design temperature	150°C
Working pressure	0.23 Mpa
Working temperature range	105°C - 136°C
Temperature accuracy	0.1°C
Temperature uniformity	≤ ± 0.5°C
Maximum temperature	136°C
Chamber material	SUS 304 Stainless steel
Power supply	220 - 380 V, 50 - 60 Hz

Power	7.4 KW
External dimension	1050 x 730 x 560 mm
Net weight	130 Kg

Features

- Microprocessor-controlled system with touch screen display
- Fully automated cycle including heating, sterilization, exhaust, and drying
- Automatic atmospheric pressure sensing and calibration
- Over-temperature protection with automatic power cut-off
- Electromechanical door interlock with pressure and power fail-safe
- Liquid cycle safety interlock (door opens at ≤20°C below boiling point)
- Low water level protection with automatic heater cut-off and alarm
- Automatic over-pressure relief valve for safety
- Enhanced P2 level biosafety
- Integrated electrical protection includes over-voltage, overload, and short-circuit
- Separate boiler with a high-efficiency steam generator for precise temperature control
- Built in printer attached for real-time recording of sterilization cycle and fault alarms
- SUS 304 Stainless steel construction (chamber, door, tank, generator, pipelines) with coated outer body

Applications

- Used for sterilizing wrapped and unwrapped instruments, fabrics, utensils, culture media, and liquids in healthcare facilities. Also widely applied in pharmaceuticals, bioengineering, and laboratories for sterilizing instruments, rubber goods, textiles, and liquid media.

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